

Release notes for ENDF/B Development e-075_Re_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-075_Re_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Re + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Re [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Re [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Re + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Re [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Re1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 71856. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Re2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 12508. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Re2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 11993. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Re2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10538. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Re3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2911.6 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Re3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2677.4 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Re3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2360.5 eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Re3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1961.8 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Re3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1892.7 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Re4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 615.83 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Re4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 516.83 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Re4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 442.59 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Re4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 278.26 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Re4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 264.54 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Re4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 55.64 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + \text{Re4f7/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 52.99 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + \text{Re5s1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 91.56999999999999 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + \text{Re5p1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 60.97 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + \text{Re5p3/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 49.4 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + \text{Re5d3/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9.52 eV!

24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + \text{Re5d5/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.5 eV!

25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + \text{Re6s1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.06 eV!

- **xsectplotter** Warnings:

1. Mislabelled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
 ... [4 more lines]